

**Amendments to the Claims:**

Please cancel claims 1-12 as presented in the underlying International Application No. PCT/DE03/00317 and add new claims 13-32 as shown in the listing of claims.

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-12 (canceled)

Claim 13 (new):       A method for transmitting measured information from a measuring computer to a control computer of a measuring system, the measuring computer and the control computer being interconnected via a telecommunications network, the method comprising:  
                  combining measured data into characteristic values having a lower volume than the measured data; and  
                  transmitting the characteristic values from the measuring computer to the control computer.

Claim 14 (new):       The method as recited in claim 13 wherein the telecommunications network includes at least one of an internet and an intranet.

Claim 15 (new):       The method as recited in claim 13 wherein the measured data includes a plurality of measurement parameters, and wherein the combining is performed according to the respective measurement parameters.

Claim 16 (new):       The method as recited in claim 13 wherein the characteristic values include at least one of a minimum, a mean value, a maximum, and a standard deviation of the measured data over a time interval.

Claim 17 (new): The method as recited in claim 13 wherein the characteristic values include a statistical value of the measured data over a time interval.

Claim 18 (new): The method as recited in claim 13 further comprising determining a time interval for combining the measured data as a function of a measuring method.

Claim 19 (new): The method as recited in claim 13 wherein the measuring system includes a second measuring computer and wherein measurement packets are transmitted between measuring computer and the second measuring computer.

Claim 20 (new): The method as recited in claim 19 wherein the measurement packets include User Datagram Protocol measurement packets.

Claim 21 (new): The method as recited in claim 19 wherein the characteristic values include a sum of all packets lost and a maximum of all successively occurring packet losses, and further comprising determining the sum of all packets lost and the maximum of all successively occurring packet losses during a detection of measurement packet losses in a time interval.

Claim 22 (new): The method as recited in claim 19 wherein the measured data includes unidirectional transmission characteristics.

Claim 23 (new): The method as recited in claim 19 wherein the combining and transmitting are performed using the measuring computer, and wherein the measuring computer functions as a receiver and the second measuring computer functions as a sender.

Claim 24 (new): The method as recited in claim 22 wherein the characteristic values include a mean one-way delay, a maximum one-way delay, and minimum one-way delay, a

standard deviation of a one-way delay, a mean IP delay variation, a maximum IP delay variation, a standard deviation of an IP delay variation, a packet loss, and a packet throughput.

Claim 25 (new): The method as recited in claim 22 wherein the characteristic values include a statistical characteristic value.

Claim 26 (new): The method as recited in claim 23 wherein the characteristic values include a mean one-way delay, a maximum one-way delay, and minimum one-way delay, a standard deviation of a one-way delay, a mean IP delay variation, a maximum IP delay variation, a standard deviation of an IP delay variation, a packet loss, and a packet throughput.

Claim 27 (new): The method as recited in claim 23 wherein the characteristic values include a statistical characteristic value.

Claim 28 (new): The method as recited in claim 13 further comprising associating the characteristic values with a time of the combining.

Claim 29 (new): A measuring system comprising:  
a control computer; and  
a measuring computer interconnected with the control computer via a telecommunications network, the measuring computer being configured to:  
combine measured data into characteristic values having a lower volume than the measured data; and  
transmit the characteristic values to the control computer.

Claim 30 (new): The measuring system as recited in claim 29 wherein the telecommunications network includes at least one of an internet and an intranet.

Claim 31 (new):        The measuring system as recited in claim 29 wherein the measured data includes a plurality of measurement parameters, and wherein the combining is performed according to the respective measurement parameters.

Claim 32 (new):        The measuring system as recited in claim 29 wherein the characteristic values include at least one of a minimum, a mean value, a maximum, and a standard deviation of the measured data over a time interval.